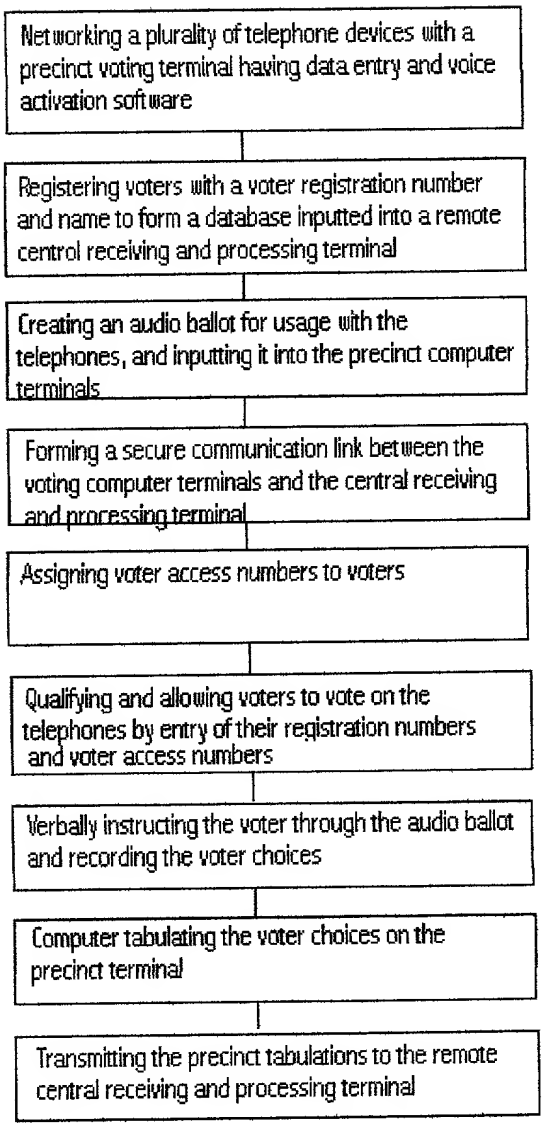

Networking a plurality of telephone devices with a precinct voting terminal having data entry and voice activation software
Registering voters with a voter registration number and name to form a database inputted into a remote control receiving and processing terminal
Creating an audio ballot for usage with the telephones, and inputting it into the precinct computer terminals
Forming a secure communication link between the voting computer terminals and the central receiving and processing terminal
Assigning voter access numbers to voters
Qualifying and allowing voters to vote on the telephones by entry of their registration numbers and voter access numbers
Verbally instructing the voter through the audio ballot and recording the voter choices
Computer tabulating the voter choices on the precinct terminal
Transmitting the precinct tabulations to the remote central receiving and processing terminal

FIG. 1

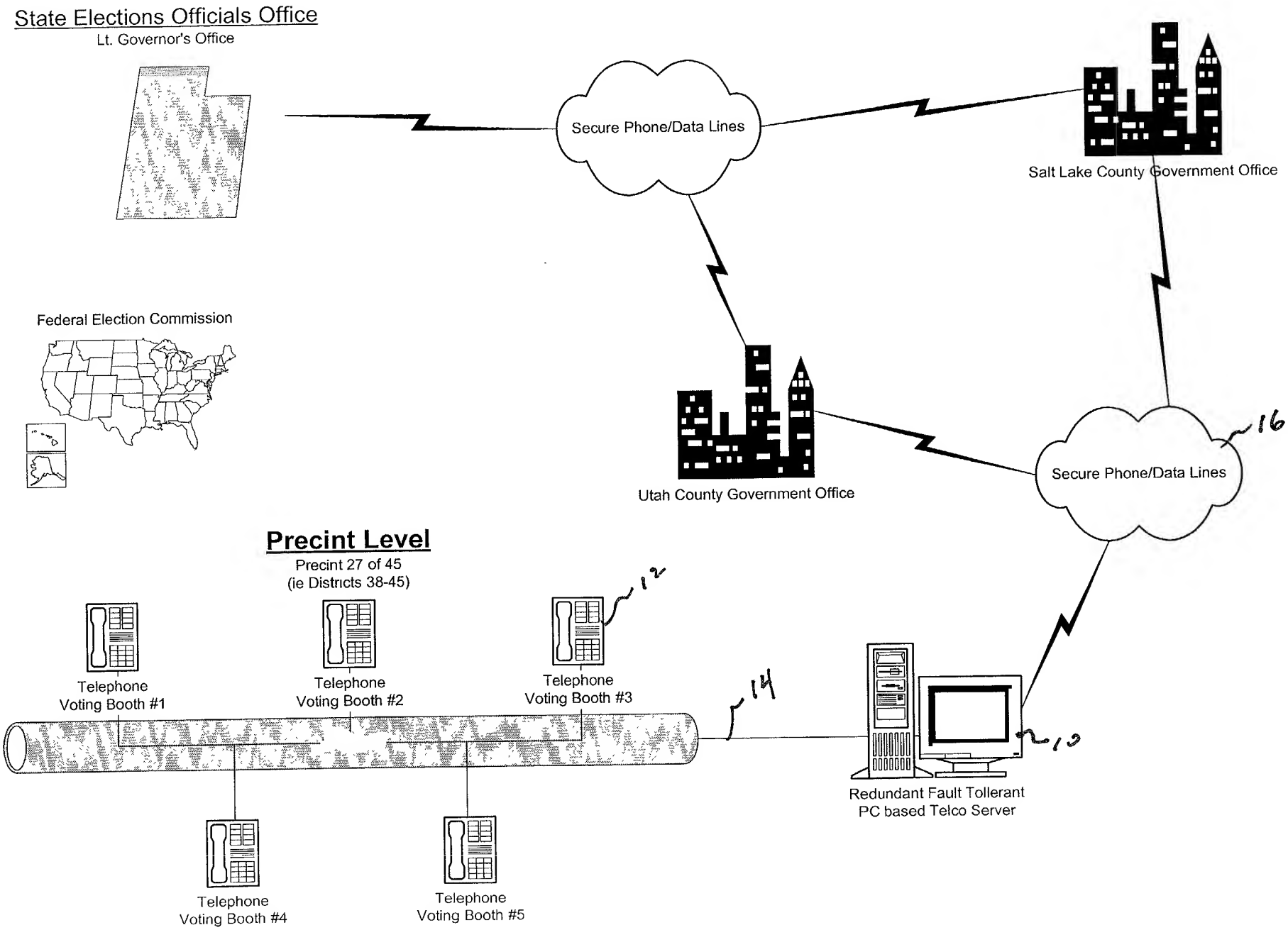
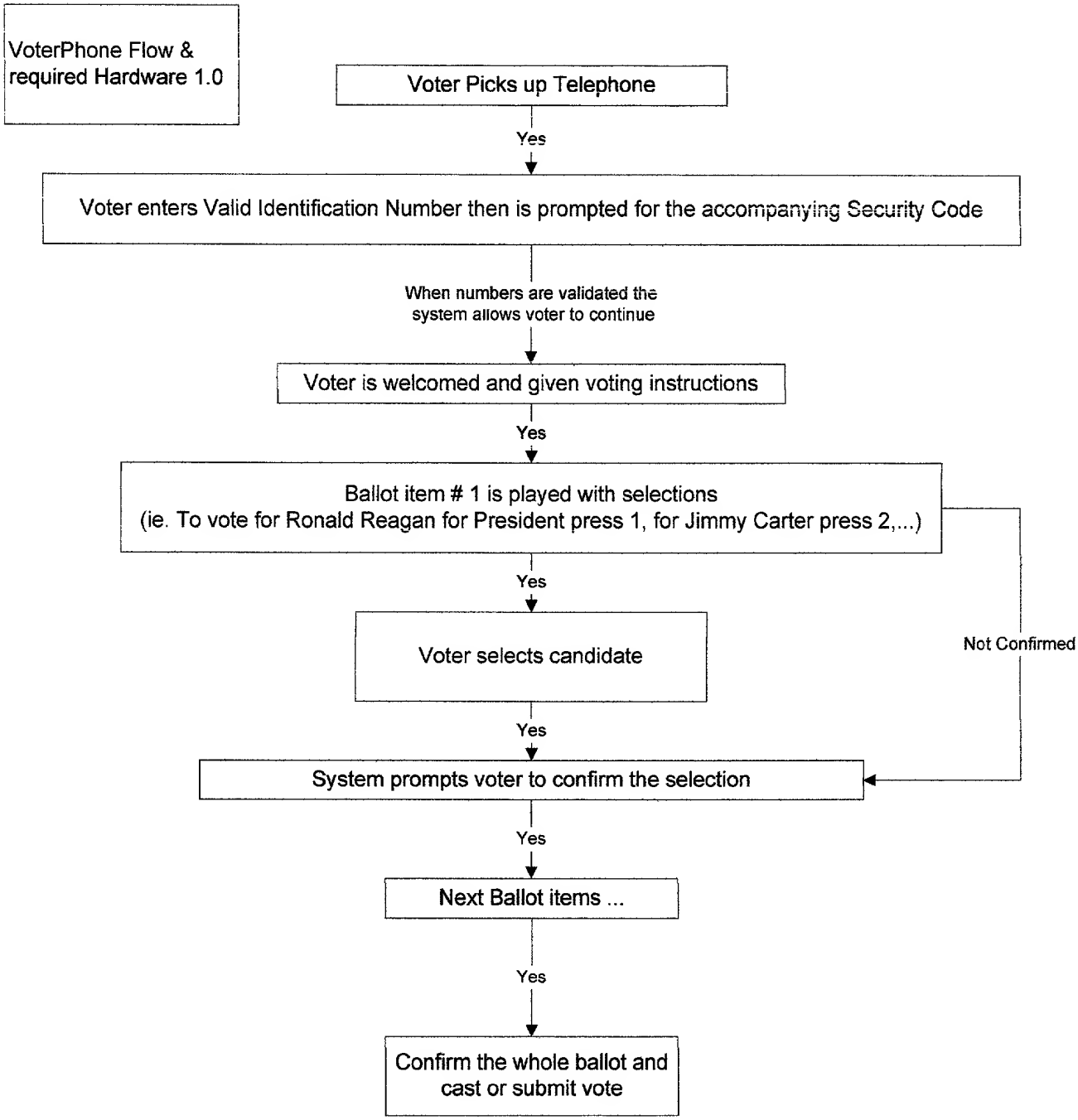

State Elections Officials Office
Lt. Governor's Office
Secure Phone/Data Lines
Salt Lake County Government Office
Federal Election Commission
Utah County Government Office
Secure Phone/Data Lines
16
Precint Level
Precint 27 of 45
(ie Districts 38-45)
12
Telephone
Voting Booth #1
Telephone
Voting Booth #2
Telephone
Voting Booth #3
14
10
Redundant Fault Tollerant
PC based Telco Server
Telephone
Voting Booth #4
Telephone
Voting Booth #5

FIG. 2



Hardware:

- Fault tolerant server i.e Dell xxx (dual power supplies, mirrored hard drives)
- Voice board(s) like Dialogic D/41-ESC or D240SC-T-1.
- Receipt tape type printer(s).
- Touch tone type phone(s).
- Barcode reader(s)
- Ring Down Circuits

FIG. 3

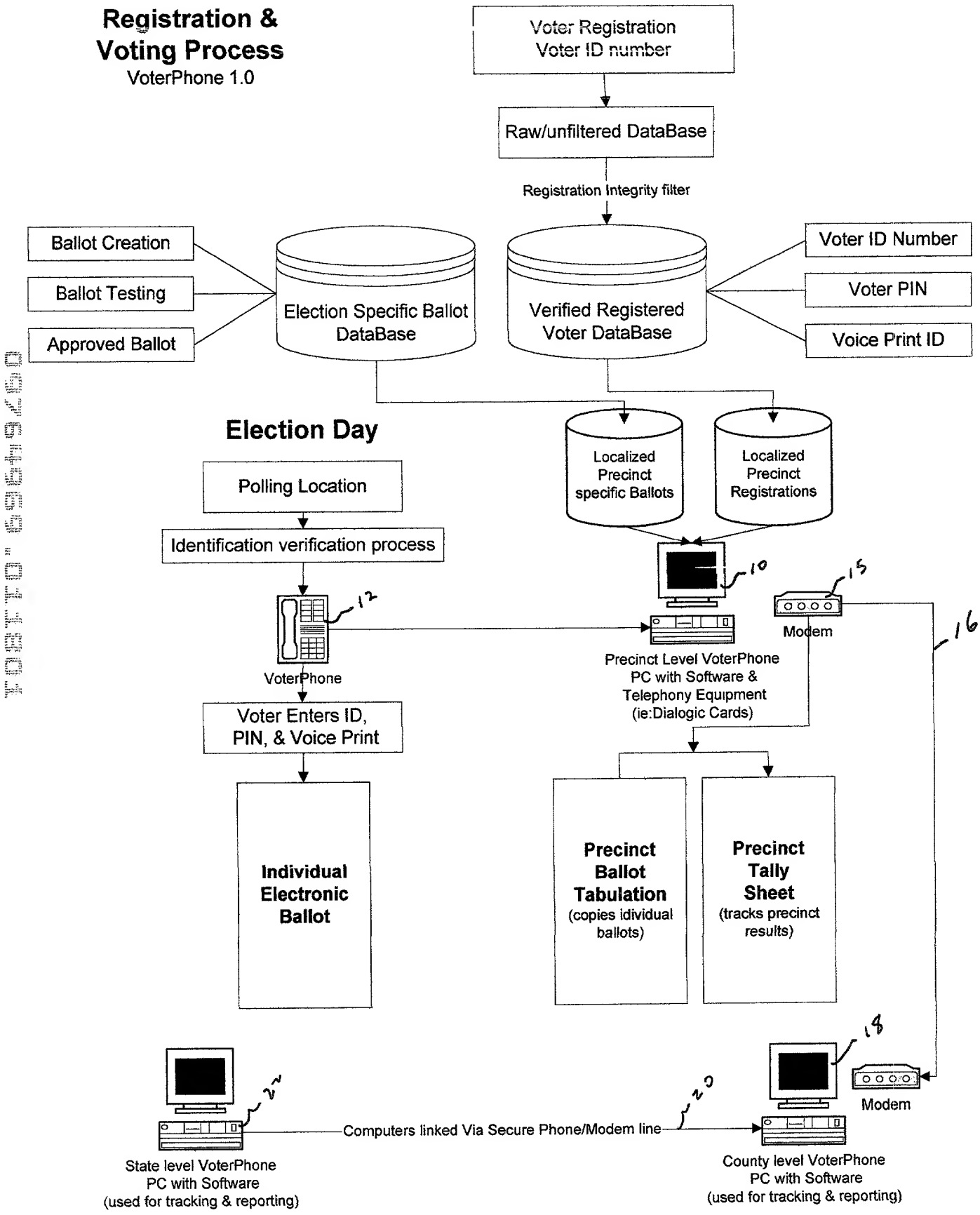

Registration &
Voting Process
VoterPhone 1.0
Voter Registration
Voter ID number
Raw/unfiltered DataBase
Registration Integrity filter
Ballot Creation
Ballot Testing
Approved Ballot
Election Specific Ballot DataBase
Verified Registered Voter DataBase
Voter ID Number
Voter PIN
Voice Print ID
Election Day
Localized Precinct specific Ballots
Localized Precinct Registrations
Polling Location
Identification verification process
10
15
12
Modem
16
VoterPhone
Precinct Level VoterPhone
PC with Software &
Telephony Equipment
(ie:Dialogic Cards)
Voter Enters ID,
PIN, & Voice Print
Individual Electronic Ballot
Precinct Ballot Tabulation
(copies idividual ballots)
Precinct Tally Sheet
(tracks precinct results)
18
Modem
Computers linked Via Secure Phone/Modem line
State level VoterPhone
PC with Software
(used for tracking & reporting)
County level VoterPhone
PC with Software
(used for tracking & reporting)

FIG. 4